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Asheville Regional Office

PREScott  
ENVIRONMENTAL

October 26, 2007

Mr. Qu Qi  
NC-DENR, Groundwater Section  
Asheville Regional Office  
59 Woodfin Place  
Asheville, North Carolina 28801-2414

RE: Annual Groundwater Monitoring Report  
Former Parkway Chevrolet, 205 Smoky Mountain Parkway  
Asheville, Buncombe County, North Carolina  
Groundwater Incident #18332  
PEAI Project No. 98-007

Dear Mr. Qi:

Enclosed is a copy of the most recent referenced Groundwater Monitoring Report for the above-referenced project.

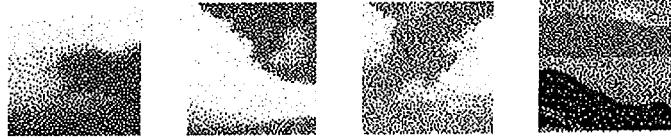
If you have any questions, feel free to contact me at (919) 942-8006.

Sincerely,

PREScott ENVIRONMENTAL ASSOCIATES, INC.

Douglas P. Guild, CEP  
Senior Environmental Scientist/Principal

Enclosure



# PREScott ENVIRONMENTAL

October 26, 2007

Mr. Jan Chenowith  
Young Realty Company, L.P.  
7399 Shadeland Avenue, PMB #166  
Indianapolis, Indiana 46250

PEAI Project No. 98-007

RE: Annual Groundwater Monitoring  
Parkway Chevrolet, 205 Smoky Mountain Parkway  
Asheville, Buncombe County, North Carolina  
Groundwater Incident #18332

Dear Mr. Chenowith:

Prescott Environmental Associates, Inc. (PEAI) has completed this Annual Groundwater Monitoring Report for the Parkway Chevrolet Property (the Site) in accordance with the Work Plan submitted to the North Carolina Department of Environment and Natural Resources, Groundwater Section, Asheville Regional Office. The field activities were completed on Thursday, October 11, 2007. These environmental services were authorized by Mr. Jan Chenowith, Young Realty Company, LP, representing the former owner/operator of the dealership at the Site. The purpose of this project was to determine the extent of volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) in groundwater.

Figure 1 shows the physical location of the Site, and Figure 2 is a Site Plan which shows the groundwater monitoring well locations. Table 1 presents the laboratory analytical results.

The areas where groundwater monitoring wells are located include the following:

- Eastern Side of Main Service Area - one shallow well to 40 feet (MW-1A);
- South Side of Auto Detailing Shop Building - one shallow well to 40 feet (MW-2A); and,
- West Side of Parts Dept. Building - one shallow well to 25 feet (MW-3).

## **PREScott ENVIRONMENTAL ASSOCIATES, INC.**

Mr. Chenowith  
October 26, 2007  
Page 2

### **Groundwater Sampling**

The wells were properly purged and developed prior to sampling. The samples were collected using new disposable polyethylene bailers and new nylon line. Groundwater samples were transferred from the bailers to clean, labeled sample bottles which were immediately placed in a cooler with ice. The samples were transported via courier and overnight service to Shealy Environmental Services, Inc. in West Columbia, South Carolina under proper chain-of-custody documentation.

Volatile organic compound analysis detected the presence of tetrachloroethene in MW-3 at 7.5 micrograms per liter ( $\mu\text{g/l}$ ) (15A NCAC 2L.0202 Groundwater Standard is 0.7  $\mu\text{g/l}$ ). No other volatile organic compounds were detected. Semivolatile organic compound analysis did not detect the presence of listed constituents above the method quantitation limit. Tentatively identified compounds (TICs) were not detected in any of the samples collected during this round of monitoring.

### **Groundwater Gradient**

The groundwater horizontal hydraulic gradient at the Site was determined by surveying the location and elevation of the groundwater monitoring wells to a common benchmark. The survey is accurate to the nearest 0.1 foot horizontally and nearest 0.01 foot vertically. PEAi personnel measured the distance from the static groundwater level to the top of the well casings to an accuracy of 0.01-foot. Using this water level information, PEAi previously compiled a hydraulic gradient map which can be found in a Comprehensive Site Assessment report issued August 5, 1998 (Figure 6). PEAi also calculated the horizontal groundwater gradient across the site to be 0.08 ft/ft for the 8/5/98 event. Based on data collected during previous measuring events, it was concluded that the groundwater gradient trends mainly in a southern direction, toward Smoky Park Highway.

### **Local Receptors**

A receptor survey was previously completed by PEAi to determine if water supply wells are located in the immediate vicinity of the Site. The closest receptor water supply is the water supply well at the Monticello Mobile Home Park, located approximately 750 feet northeast of the subject property. This well is reported to serve approximately 50 mobile homes. Again, the local groundwater flow direction is toward the south, away from this property. The subject Site is also topographically down gradient from the mobile home park. Most properties in the vicinity of the Site are served by the Asheville municipal water supply.

**PREScott ENVIRONMENTAL ASSOCIATES, INC.**

Mr. Chenowith  
October 26, 2007  
Page 3

**Conclusion and Recommendations**

The primary objective of this project was to complete annual groundwater monitoring for evidence of contamination from volatile and semi-volatile organic compounds. The Work Plan for this project was approved prior to the initiation of site activities by the Groundwater Section of the North Carolina Department of Environment and Natural Resources (NC DENR).

This project included the collection of samples from the three (3) groundwater monitoring wells on the Site. Tetrachloroethene was detected in MW-3 at 7.5 µg/l; the state groundwater standard for tetrachloroethene is 0.7 µg/l. No other volatile organic compounds were detected.

No semivolatile organic compounds (either listed or TICs) were detected during this round of groundwater monitoring.

The source of the tetrachloroethene is not known at this time. It has been detected during other recent sampling events. Additional sampling and analysis events should be completed to verify the existence of this compound and to provide continuing groundwater monitoring at the Site.

PEAI appreciates the opportunity to be of service to Young Realty Company, LP/Parkway Chevrolet. A copy of this document will be submitted to the North Carolina Department of Environment and Natural Resources, Division of Water Quality, Groundwater Section, Asheville Regional Office. Should you have any questions or comments regarding the contents of this report, please feel free to contact PEAI at your earliest opportunity.

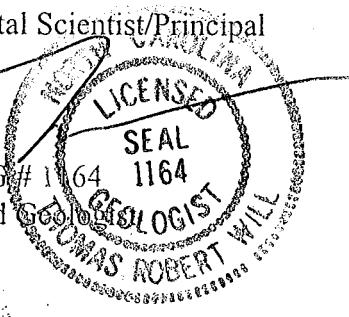
Respectfully,

PREScott ENVIRONMENTAL ASSOCIATES, INC.

Douglas P. Guild, CEP

Senior Environmental Scientist/Principal

Thomas R. Will, LG# 1164  
Consulting Licensed Geologist



Attachments

**ATTACHMENTS**

**ATTACHMENT A**

**FIGURES**



**Project:**

Comprehensive Site Assessment

Parkway Chevrolet  
205 Smokey Park  
Highway

Asheville, NC

**Job No:**

98-007

Drawn By: DSC

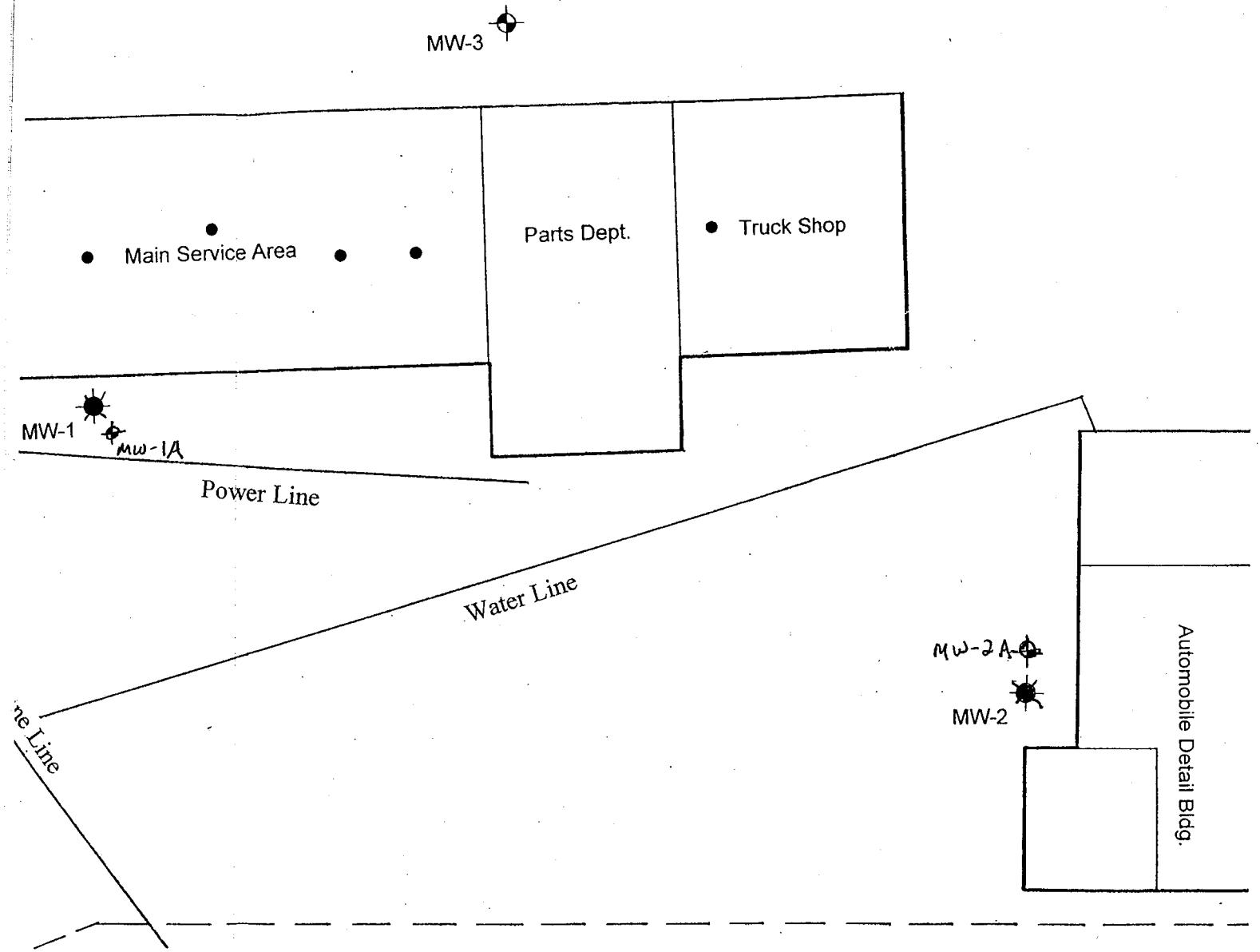
Date: 6/11/98

**Figure No: 1**

Site Location Map

PREScott ENVIRONMENTAL ASSOCIATES, INC.  
POST OFFICE BOX 2555  
CHAPEL HILL, NORTH CAROLINA 27515-2555  
(919) 942-8006 PHONE (919) 967-4953 FACSIMILE

Checked By: DPG Scale: 1"=2000'



 PRESCOTT ENVIRONMENTAL ASSOCIATES, INC. POST OFFICE BOX 2555 CHAPEL-HILL, NORTH CAROLINA 27515-2555 (919) 942-8006 PHONE (919) 967-4953 FACSIMILE	Project: Comprehensive Site Assessment  Parkway Chevrolet 205 Smokey Park Highway  Asheville, NC	Job No: 98-007  Drawn By: DSC Checked By: DPG	Figure: Site Map Knowl Struct  Date: Scale
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**ATTACHMENT B**

**TABLES**

TABLE 1

Annual  
 Groundwater Monitoring  
 Laboratory Analytical Results

Former Parkway Chevrolet Facility  
 205 Smoky Park Highway  
 Asheville, Buncombe County, NC

<b>Sample I.D.</b>	<b>Date/Time</b>	<b>Monitoring Well</b>	<b>Lab Results</b>
W-1	10/11/07 - 9:30	MW-1A	8260B - BQL <sup>1</sup> 8270C - BQL <sup>1</sup>
W-2	10/11/07 - 10:00	MW-2A	8260B - BQL <sup>1</sup> 8270C - BQL <sup>1</sup>
W-3	10/11/07 - 10:25	MW-3	8260B - <b>Tetrachloroethene - 7.5 ug/L</b> 8270C - BQL <sup>1</sup>

<sup>1</sup>BQL - Below Quantitation Limit

**Bold** indicates constituents detected above 15A NCAC 2L .0202 Groundwater Standard.

**ATTACHMENT C**

**LABORATORY ANALYTICAL REPORT**

# SHEALY ENVIRONMENTAL SERVICES, INC.

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## Report of Analysis

**Prescott Environmental**  
312 West Franklin Street  
Chapel Hill, NC 27516  
Attention: Doug Guild

Project Name: Parkway Chev.

Project Number: 98-007

Lot Number: IJ12008

Date Completed: 10/22/2007

**Michael Casalena**  
Project Manager



This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

• • • • • • •

# SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DEHNR No: 329

**Case Narrative  
Prescott Environmental  
Lot Number: IJ12008**

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

# SHEALY ENVIRONMENTAL SERVICES, INC.

**Sample Summary  
Prescott Environmental  
Lot Number: IJ12008**

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	W-1 (MW-1A)	Aqueous	10/11/2007 0930	10/12/2007
002	W-2 (MW-2A)	Aqueous	10/11/2007 1000	10/12/2007
003	W-3 (MW-3)	Aqueous	10/11/2007 1025	10/12/2007
004	Trip Blank	Aqueous	10/01/2007 1545	10/12/2007

(4 samples)

# SHEALY ENVIRONMENTAL SERVICES, INC.

## Executive Summary Prescott Environmental Lot Number: IJ12008

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
003	W-3 (MW-3)	Aqueous	Tetrachloroethene	8260B	7.5		ug/L	15

(1 detection)

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-001

Description: W-1 (MW-1A)

Matrix: Aqueous

Date Sampled: 10/11/2007 0930

Date Received: 10/12/2007

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 10/18/2007 1308	Analyst DLB	Prep Date	Batch 66296	
Parameter		CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone		67-64-1	8260B	ND		20	ug/L	1
Benzene		71-43-2	8260B	ND		5.0	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		5.0	ug/L	1
Bromoform		75-25-2	8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		5.0	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		5.0	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		5.0	ug/L	1
Chloroethane		75-00-3	8260B	ND		5.0	ug/L	1
Chloroform		67-66-3	8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		5.0	ug/L	1
Cyclohexane		110-82-7	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene		541-73-1	8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		5.0	ug/L	1
Dichlorodifluoromethane		75-71-8	8260B	ND		5.0	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		5.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		5.0	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		5.0	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		5.0	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		5.0	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene		98-82-8	8260B	ND		5.0	ug/L	1
Methyl acetate		79-20-9	8260B	ND		5.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane		108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride		75-09-2	8260B	ND		5.0	ug/L	1
Styrene		100-42-5	8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		5.0	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		5.0	ug/L	1
Toluene		108-88-3	8260B	ND		5.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	8260B	ND		5.0	ug/L	1
1,2,4-Trichlorobenzene		120-82-1	8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		5.0	ug/L	1
Trichloroethene		79-01-6	8260B	ND		5.0	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-001

Description: W-1 (MW-1A)

Matrix: Aqueous

Date Sampled: 10/11/2007 0930

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	10/18/2007 1308	DLB		66296		
Parameter			CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride			75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)			1330-20-7	8260B	ND		5.0	ug/L	1
Surrogate	Q		Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4			91	52-138					
Bromofluorobenzene			106	70-147					
Toluene-d8			100	76-125					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Library Search

Client: Prescott Environmental

Laboratory ID: IJ12008-001

Matrix: Aqueous

Description: W-1 (MW-1A)

Date Sampled: 10/11/2007 0930

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1				66397

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
None Detected		8270C				ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-001

Description: W-1 (MW-1A)

Matrix: Aqueous

Date Sampled: 10/11/2007 0930

Date Received: 10/12/2007

Run 1	Prep Method 3520C	Analytical Method 8270C	Dilution 1	Analysis Date 10/20/2007 2226	Analyst GLR	Prep Date 10/17/2007 1653	Batch 66204		
Parameter		CAS Number		Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene		83-32-9		8270C	ND		5.0	ug/L	1
Acenaphthylene		208-96-8		8270C	ND		5.0	ug/L	1
Acetophenone		98-86-2		8270C	ND		5.0	ug/L	1
Anthracene		120-12-7		8270C	ND		5.0	ug/L	1
Atrazine		1912-24-9		8270C	ND		5.0	ug/L	1
Benzaldehyde		100-52-7		8270C	ND		25	ug/L	1
Benzo(a)anthracene		56-55-3		8270C	ND		5.0	ug/L	1
Benzo(a)pyrene		50-32-8		8270C	ND		5.0	ug/L	1
Benzo(b)fluoranthene		205-99-2		8270C	ND		5.0	ug/L	1
Benzo(g,h,i)perylene		191-24-2		8270C	ND		5.0	ug/L	1
Benzo(k)fluoranthene		207-08-9		8270C	ND		5.0	ug/L	1
1,1'-Biphenyl		92-52-4		8270C	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether		101-55-3		8270C	ND		5.0	ug/L	1
Butyl benzyl phthalate		85-68-7		8270C	ND		10	ug/L	1
Caprolactam		105-60-2		8270C	ND		25	ug/L	1
Carbazole		86-74-8		8270C	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol		59-50-7		8270C	ND		5.0	ug/L	1
4-Chloroaniline		106-47-8		8270C	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane		111-91-1		8270C	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether		111-44-4		8270C	ND		5.0	ug/L	1
bis(2-Chloroisopropyl)ether		108-60-1		8270C	ND		5.0	ug/L	1
2-Chloronaphthalene		91-58-7		8270C	ND		5.0	ug/L	1
2-Chlorophenol		95-57-8		8270C	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether		7005-72-3		8270C	ND		5.0	ug/L	1
Chrysene		218-01-9		8270C	ND		5.0	ug/L	1
Di-n-butyl phthalate		84-74-2		8270C	ND		5.0	ug/L	1
Di-n-octylphthalate		117-84-0		8270C	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene		53-70-3		8270C	ND		5.0	ug/L	1
Dibenzofuran		132-64-9		8270C	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine		91-94-1		8270C	ND		25	ug/L	1
2,4-Dichlorophenol		120-83-2		8270C	ND		5.0	ug/L	1
Diethylphthalate		84-66-2		8270C	ND		5.0	ug/L	1
Dimethyl phthalate		131-11-3		8270C	ND		5.0	ug/L	1
2,4-Dimethylphenol		105-67-9		8270C	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol		534-52-1		8270C	ND		25	ug/L	1
2,4-Dinitrophenol		51-28-5		8270C	ND		25	ug/L	1
2,4-Dinitrotoluene		121-14-2		8270C	ND		10	ug/L	1
2,6-Dinitrotoluene		606-20-2		8270C	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate		117-81-7		8270C	ND		5.0	ug/L	1
Fluoranthene		206-44-0		8270C	ND		5.0	ug/L	1
Fluorene		86-73-7		8270C	ND		5.0	ug/L	1
Hexachlorobenzene		118-74-1		8270C	ND		5.0	ug/L	1
Hexachlorobutadiene		87-68-3		8270C	ND		5.0	ug/L	1
Hexachlorocyclopentadiene		77-47-4		8270C	ND		25	ug/L	1
Hexachloroethane		67-72-1		8270C	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene		193-39-5		8270C	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-001

Description: W-1 (MW-1A)

Matrix: Aqueous

Date Sampled: 10/11/2007 0930

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	10/20/2007 2226	GLR	10/17/2007 1653	66204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270C	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.0	ug/L	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		25	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.0	ug/L	1
Phenol	108-95-2	8270C	ND		5.0	ug/L	1
Pyrene	129-00-0	8270C	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	41-144
2-Fluorobiphenyl		89	37-129
2-Fluorophenol		82	24-127
Nitrobenzene-d5		82	38-127
Phenol-d5		87	28-128
Terphenyl-d14		97	10-148

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-002

Description: W-2 (MW-2A)

Matrix: Aqueous

Date Sampled: 10/11/2007 1000

Date Received: 10/12/2007

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 10/18/2007 1330	Analyst DLB	Prep Date	Batch 66296	
Parameter		CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone		67-64-1	8260B	ND		20	ug/L	1
Benzene		71-43-2	8260B	ND		5.0	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		5.0	ug/L	1
Bromoform		75-25-2	8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		5.0	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		5.0	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		5.0	ug/L	1
Chloroethane		75-00-3	8260B	ND		5.0	ug/L	1
Chloroform		67-66-3	8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		5.0	ug/L	1
Cyclohexane		110-82-7	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene		541-73-1	8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		5.0	ug/L	1
Dichlorodifluoromethane		75-71-8	8260B	ND		5.0	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		5.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		5.0	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		5.0	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		5.0	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		5.0	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene		98-82-8	8260B	ND		5.0	ug/L	1
Methyl acetate		79-20-9	8260B	ND		5.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane		108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride		75-09-2	8260B	ND		5.0	ug/L	1
Styrene		100-42-5	8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		5.0	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		5.0	ug/L	1
Toluene		108-88-3	8260B	ND		5.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	8260B	ND		5.0	ug/L	1
1,2,4-Trichlorobenzene		120-82-1	8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		5.0	ug/L	1
Trichloroethene		79-01-6	8260B	ND		5.0	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-002

Description: W-2 (MW-2A)

Matrix: Aqueous

Date Sampled: 10/11/2007 1000

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/18/2007 1330	DLB		66296

Parameter	Q	CAS	Analytical	Result	Q	PQL	Units	Run
		Number	Method					
Vinyl chloride		75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		5.0	ug/L	1
<b>Surrogate</b>		<b>Run 1</b>	<b>Acceptance</b>					
1,2-Dichloroethane-d4		90	52-138					
Bromofluorobenzene		106	70-147					
Toluene-d8		100	76-125					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Library Search

Client: Prescott Environmental

Laboratory ID: IJ12008-002

Description: W-2 (MW-2A)

Matrix: Aqueous

Date Sampled: 10/11/2007 1000

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1				66397

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
None Detected		8270C				ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-002

Description: W-2 (MW-2A)

Matrix: Aqueous

Date Sampled: 10/11/2007 1000

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	10/20/2007 2247	GLR	10/17/2007 1653	66204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.0	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.0	ug/L	1
Acetophenone	98-86-2	8270C	ND		5.0	ug/L	1
Anthracene	120-12-7	8270C	ND		5.0	ug/L	1
Atrazine	1912-24-9	8270C	ND		5.0	ug/L	1
Benzaldehyde	100-52-7	8270C	ND		25	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270C	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		10	ug/L	1
Caprolactam	105-60-2	8270C	ND		25	ug/L	1
Carbazole	86-74-8	8270C	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.0	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.0	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.0	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.0	ug/L	1
Chrysene	218-01-9	8270C	ND		5.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.0	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		25	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.0	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		25	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		25	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		10	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.0	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.0	ug/L	1
Fluorene	86-73-7	8270C	ND		5.0	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		25	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-002

Description: W-2 (MW-2A)

Matrix: Aqueous

Date Sampled: 10/11/2007 1000

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	10/20/2007 2247	GLR	10/17/2007 1653	66204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270C	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.0	ug/L	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		25	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.0	ug/L	1
Phenol	108-95-2	8270C	ND		5.0	ug/L	1
Pyrene	129-00-0	8270C	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol	82	41-144	
2-Fluorobiphenyl	78	37-129	
2-Fluorophenol	71	24-127	
Nitrobenzene-d5	72	38-127	
Phenol-d5	75	28-128	
Terphenyl-d14	102	10-148	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-003

Description: W-3 (MW-3)

Matrix: Aqueous

Date Sampled: 10/11/2007 1025

Date Received: 10/12/2007

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 10/18/2007 1352	Analyst DLB	Prep Date	Batch 66296		
Parameter		CAS Number		Analytical Method	Result	Q	PQL	Units	Run
Acetone		67-64-1		8260B	ND		20	ug/L	1
Benzene		71-43-2		8260B	ND		5.0	ug/L	1
Bromodichloromethane		75-27-4		8260B	ND		5.0	ug/L	1
Bromoform		75-25-2		8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)		74-83-9		8260B	ND		5.0	ug/L	1
2-Butanone (MEK)		78-93-3		8260B	ND		10	ug/L	1
Carbon disulfide		75-15-0		8260B	ND		5.0	ug/L	1
Carbon tetrachloride		56-23-5		8260B	ND		5.0	ug/L	1
Chlorobenzene		108-90-7		8260B	ND		5.0	ug/L	1
Chloroethane		75-00-3		8260B	ND		5.0	ug/L	1
Chloroform		67-66-3		8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)		74-87-3		8260B	ND		5.0	ug/L	1
Cyclohexane		110-82-7		8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8		8260B	ND		5.0	ug/L	1
Dibromochloromethane		124-48-1		8260B	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4		8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene		95-50-1		8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene		541-73-1		8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene		106-46-7		8260B	ND		5.0	ug/L	1
Dichlorodifluoromethane		75-71-8		8260B	ND		5.0	ug/L	1
1,1-Dichloroethane		75-34-3		8260B	ND		5.0	ug/L	1
1,2-Dichloroethane		107-06-2		8260B	ND		5.0	ug/L	1
1,1-Dichloroethene		75-35-4		8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene		156-59-2		8260B	ND		5.0	ug/L	1
trans-1,2-Dichloroethene		156-60-5		8260B	ND		5.0	ug/L	1
1,2-Dichloropropane		78-87-5		8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene		10061-01-5		8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene		10061-02-6		8260B	ND		5.0	ug/L	1
Ethylbenzene		100-41-4		8260B	ND		5.0	ug/L	1
2-Hexanone		591-78-6		8260B	ND		10	ug/L	1
Isopropylbenzene		98-82-8		8260B	ND		5.0	ug/L	1
Methyl acetate		79-20-9		8260B	ND		5.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4		8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone		108-10-1		8260B	ND		10	ug/L	1
Methylcyclohexane		108-87-2		8260B	ND		5.0	ug/L	1
Methylene chloride		75-09-2		8260B	ND		5.0	ug/L	1
Styrene		100-42-5		8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5		8260B	ND		5.0	ug/L	1
Tetrachloroethene		127-18-4		8260B	7.5		5.0	ug/L	1
Toluene		108-88-3		8260B	ND		5.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1		8260B	ND		5.0	ug/L	1
1,2,4-Trichlorobenzene		120-82-1		8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane		71-55-6		8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane		79-00-5		8260B	ND		5.0	ug/L	1
Trichloroethene		79-01-6		8260B	ND		5.0	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result &lt; PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-003

Description: W-3 (MW-3)

Matrix: Aqueous

Date Sampled: 10/11/2007 1025

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	10/18/2007 1352	DLB		66296		
Parameter		CAS Number		Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride		75-01-4		8260B	ND		2.0	ug/L	1
Xylenes (total)		1330-20-7		8260B	ND		5.0	ug/L	1
Surrogate	Q	Run 1 % Recovery		Acceptance Limits					
1,2-Dichloroethane-d4		90		52-138					
Bromofluorobenzene		106		70-147					
Toluene-d8		100		76-125					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Library Search

Client: Prescott Environmental

Laboratory ID: IJ12008-003

Description: W-3 (MW-3)

Matrix: Aqueous

Date Sampled: 10/11/2007 1025

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1				66399

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
None Detected		8270C				ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-003

Description: W-3 (MW-3)

Matrix: Aqueous

Date Sampled: 10/11/2007 1025

Date Received: 10/12/2007

Run 1	Prep Method 3520C	Analytical Method 8270C	Dilution 1	Analysis Date 10/20/2007 2308	Analyst GLR	Prep Date 10/17/2007 1653	Batch 66204	
Parameter		CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene		83-32-9	8270C	ND		5.0	ug/L	1
Acenaphthylene		208-96-8	8270C	ND		5.0	ug/L	1
Acetophenone		98-86-2	8270C	ND		5.0	ug/L	1
Anthracene		120-12-7	8270C	ND		5.0	ug/L	1
Atrazine		1912-24-9	8270C	ND		5.0	ug/L	1
Benzaldehyde		100-52-7	8270C	ND		25	ug/L	1
Benzo(a)anthracene		56-55-3	8270C	ND		5.0	ug/L	1
Benzo(a)pyrene		50-32-8	8270C	ND		5.0	ug/L	1
Benzo(b)fluoranthene		205-99-2	8270C	ND		5.0	ug/L	1
Benzo(g,h,i)perylene		191-24-2	8270C	ND		5.0	ug/L	1
Benzo(k)fluoranthene		207-08-9	8270C	ND		5.0	ug/L	1
1,1'-Biphenyl		92-52-4	8270C	ND		5.0	ug/L	1
4-Bromophenyl phenyl ether		101-55-3	8270C	ND		5.0	ug/L	1
Butyl benzyl phthalate		85-68-7	8270C	ND		10	ug/L	1
Caprolactam		105-60-2	8270C	ND		25	ug/L	1
Carbazole		86-74-8	8270C	ND		5.0	ug/L	1
4-Chloro-3-methyl phenol		59-50-7	8270C	ND		5.0	ug/L	1
4-Chloroaniline		106-47-8	8270C	ND		5.0	ug/L	1
bis(2-Chloroethoxy)methane		111-91-1	8270C	ND		5.0	ug/L	1
bis(2-Chloroethyl)ether		111-44-4	8270C	ND		5.0	ug/L	1
bis(2-Chloroisopropyl)ether		108-60-1	8270C	ND		5.0	ug/L	1
2-Chloronaphthalene		91-58-7	8270C	ND		5.0	ug/L	1
2-Chlorophenol		95-57-8	8270C	ND		5.0	ug/L	1
4-Chlorophenyl phenyl ether		7005-72-3	8270C	ND		5.0	ug/L	1
Chrysene		218-01-9	8270C	ND		5.0	ug/L	1
Di-n-butyl phthalate		84-74-2	8270C	ND		5.0	ug/L	1
Di-n-octylphthalate		117-84-0	8270C	ND		5.0	ug/L	1
Dibenzo(a,h)anthracene		53-70-3	8270C	ND		5.0	ug/L	1
Dibenzofuran		132-64-9	8270C	ND		5.0	ug/L	1
3,3'-Dichlorobenzidine		91-94-1	8270C	ND		25	ug/L	1
2,4-Dichlorophenol		120-83-2	8270C	ND		5.0	ug/L	1
Diethylphthalate		84-66-2	8270C	ND		5.0	ug/L	1
Dimethyl phthalate		131-11-3	8270C	ND		5.0	ug/L	1
2,4-Dimethylphenol		105-67-9	8270C	ND		5.0	ug/L	1
4,6-Dinitro-2-methylphenol		534-52-1	8270C	ND		25	ug/L	1
2,4-Dinitrophenol		51-28-5	8270C	ND		25	ug/L	1
2,4-Dinitrotoluene		121-14-2	8270C	ND		10	ug/L	1
2,6-Dinitrotoluene		606-20-2	8270C	ND		10	ug/L	1
bis(2-Ethylhexyl)phthalate		117-81-7	8270C	ND		5.0	ug/L	1
Fluoranthene		206-44-0	8270C	ND		5.0	ug/L	1
Fluorene		86-73-7	8270C	ND		5.0	ug/L	1
Hexachlorobenzene		118-74-1	8270C	ND		5.0	ug/L	1
Hexachlorobutadiene		87-68-3	8270C	ND		5.0	ug/L	1
Hexachlorocyclopentadiene		77-47-4	8270C	ND		25	ug/L	1
Hexachloroethane		67-72-1	8270C	ND		5.0	ug/L	1
Indeno(1,2,3-c,d)pyrene		193-39-5	8270C	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Semivolatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-003

Description: W-3 (MW-3)

Matrix: Aqueous

Date Sampled: 10/11/2007 1025

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	10/20/2007 2308	GLR	10/17/2007 1653	66204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		5.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.0	ug/L	1
2-Methylphenol	95-48-7	8270C	ND		5.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		10	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.0	ug/L	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		5.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.0	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		10	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		10	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		10	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.0	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		10	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		25	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		25	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.0	ug/L	1
Phenol	108-95-2	8270C	ND		5.0	ug/L	1
Pyrene	129-00-0	8270C	ND		5.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		80	41-144
2-Fluorobiphenyl		86	37-129
2-Fluorophenol		79	24-127
Nitrobenzene-d5		78	38-127
Phenol-d5		31	28-128
Terphenyl-d14		45	10-148

PQL = Practical quantitation limit

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E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-004

Description: Trip Blank

Matrix: Aqueous

Date Sampled: 10/01/2007 1545

Date Received: 10/12/2007

Run 1	Prep Method 5030B	Analytical Method 8260B	Dilution 1	Analysis Date 10/18/2007 1413	Analyst DLB	Prep Date	Batch 66296	
Parameter		CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone		67-64-1	8260B	ND		20	ug/L	1
Benzene		71-43-2	8260B	ND		5.0	ug/L	1
Bromodichloromethane		75-27-4	8260B	ND		5.0	ug/L	1
Bromoform		75-25-2	8260B	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)		74-83-9	8260B	ND		5.0	ug/L	1
2-Butanone (MEK)		78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide		75-15-0	8260B	ND		5.0	ug/L	1
Carbon tetrachloride		56-23-5	8260B	ND		5.0	ug/L	1
Chlorobenzene		108-90-7	8260B	ND		5.0	ug/L	1
Chloroethane		75-00-3	8260B	ND		5.0	ug/L	1
Chloroform		67-66-3	8260B	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)		74-87-3	8260B	ND		5.0	ug/L	1
Cyclohexane		110-82-7	8260B	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)		96-12-8	8260B	ND		5.0	ug/L	1
Dibromochloromethane		124-48-1	8260B	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)		106-93-4	8260B	ND		5.0	ug/L	1
1,2-Dichlorobenzene		95-50-1	8260B	ND		5.0	ug/L	1
1,3-Dichlorobenzene		541-73-1	8260B	ND		5.0	ug/L	1
1,4-Dichlorobenzene		106-46-7	8260B	ND		5.0	ug/L	1
Dichlorodifluoromethane		75-71-8	8260B	ND		5.0	ug/L	1
1,1-Dichloroethane		75-34-3	8260B	ND		5.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260B	ND		5.0	ug/L	1
1,1-Dichloroethene		75-35-4	8260B	ND		5.0	ug/L	1
cis-1,2-Dichloroethene		156-59-2	8260B	ND		5.0	ug/L	1
trans-1,2-Dichloroethene		156-60-5	8260B	ND		5.0	ug/L	1
1,2-Dichloropropane		78-87-5	8260B	ND		5.0	ug/L	1
cis-1,3-Dichloropropene		10061-01-5	8260B	ND		5.0	ug/L	1
trans-1,3-Dichloropropene		10061-02-6	8260B	ND		5.0	ug/L	1
Ethylbenzene		100-41-4	8260B	ND		5.0	ug/L	1
2-Hexanone		591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene		98-82-8	8260B	ND		5.0	ug/L	1
Methyl acetate		79-20-9	8260B	ND		5.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260B	ND		5.0	ug/L	1
4-Methyl-2-pentanone		108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane		108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride		75-09-2	8260B	ND		5.0	ug/L	1
Styrene		100-42-5	8260B	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane		79-34-5	8260B	ND		5.0	ug/L	1
Tetrachloroethene		127-18-4	8260B	ND		5.0	ug/L	1
Toluene		108-88-3	8260B	ND		5.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane		76-13-1	8260B	ND		5.0	ug/L	1
1,2,4-Trichlorobenzene		120-82-1	8260B	ND		5.0	ug/L	1
1,1,1-Trichloroethane		71-55-6	8260B	ND		5.0	ug/L	1
1,1,2-Trichloroethane		79-00-5	8260B	ND		5.0	ug/L	1
Trichloroethene		79-01-6	8260B	ND		5.0	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		5.0	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at or above the PQL

J = Estimated result < PQL and  $\geq$  MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

N = Recovery is out of criteria

# Volatile Organic Compounds by GC/MS

Client: Prescott Environmental

Laboratory ID: IJ12008-004

Description: Trip Blank

Matrix: Aqueous

Date Sampled: 10/01/2007 1545

Date Received: 10/12/2007

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	10/18/2007 1413	DLB		66296

Parameter	Q	CAS	Analytical Method	Result	Q	PQL	Units	Run
		Number						
Vinyl chloride		75-01-4	8260B	ND		2.0	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		5.0	ug/L	1
Surrogate		Run 1	Acceptance Limits					
1,2-Dichloroethane-d4		90	52-138					
Bromofluorobenzene		105	70-147					
Toluene-d8		100	76-125					

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*Chain of Custody Record*

SHEALLY ENVIRONMENTAL SERVICES, INC.

1650 Vannage Point, Lumberton, North Carolina 28358  
Telephone No. (910) 731-8700 Ext. No. 280

Telephone No. (813) 781-8700 Fax No. (813) 781-8711

Number 80612

# **SHEALY ENVIRONMENTAL SERVICES, INC.**

Document Number: F-AN-012

# SHEALY ENVIRONMENTAL SERVICES, INC.

Client: <u>PAC-14</u>		Corder Inspected by/date: <u>EC / 10/10</u> Lot #: <u>111248</u>	
Sample Receipt Checklist (SRC)			
Page 1 of 1			
Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com			
Revised Edition Number: F-AD-C16 Replaces Date: 03/27/06			
Document Number: F-AD-C16 Effective Date: 03/27/06			
Means of receipt: <input type="checkbox"/> SESI <input type="checkbox"/> Client <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Airborne Exp <input type="checkbox"/> Other			
1. Were custody seals present on the corder? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
2. If custody seals were present, were they intact and unbroken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
Cooler ID/temperature upon receipt <u>57</u> °C <u>-4</u> °C <u>-20</u> °C <u>-40</u> °C <u>-60</u> °C			
Method: <input type="checkbox"/> Temperature Blank <input checked="" type="checkbox"/> Agarose Bottles <input type="checkbox"/> Method of coolants: <input type="checkbox"/> Water Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None			
If response is No (or Yes for 14, 15, 16), an explanation/solution must be provided.			
3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
4. Is the commercialized contractor's packing slip attached to this form? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
5. Were proper custody procedures (distinguishable/received) followed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
6. Were samples UDS listed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
7. Was collection date & time listed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
8. Were tests to be performed listed on the COC or was quote # provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
9. Did all samples arrive in the proper containers for each test? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
10. Did all containers labeled information (UD, date, time) agree with COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
11. Did all containers arrive in good condition (unbroken, lids on, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
12. Were adequate sample volume available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
13. Were all samples received within 48 hours, whichever comes first? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
14. Were any samples combination missing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
15. Were there any excess samples not listed on COC? <u>12PAC-N/10/10 1545 64</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
16. Were bubbles present "p-e-s-i-z-e" (% or drum in diameter) in any VOA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
17. Were all media/OG/HFM/mutant samples received at a pH of 2? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
18. Were all glycine and sterile samples received at a pH > 12? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
19. Were all applicable NH <sub>3</sub> /TKN/glycine/pheno/BNA/pea/PCBA/bath Sample(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
20. Were collection temperatures documented on the COC for NC samples? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
21. Were received in correctly preserved and were adjusted Sample(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
22. Were received with TRC > 0.1 mg/L and were aliquoted by method 330.5. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
23. Were received with TRC > 0.2 mg/L for NH <sub>3</sub> /TKN/glycine/pheno/BNA/pea/PCBA/bath Sample(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
24. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
25. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
26. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
27. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
28. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
29. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
30. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
31. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
32. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
33. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
34. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
35. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
36. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
37. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
38. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
39. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
40. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
41. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
42. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
43. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
44. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
45. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
46. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
47. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
48. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
49. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
50. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
51. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
52. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
53. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
54. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
55. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
56. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
57. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
58. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
59. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
60. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
61. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
62. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
63. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
64. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
65. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
66. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
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69. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
70. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
71. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
72. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
73. Were received with bubbles < 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
74. Were received with bubbles > 6 nm in diameter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA			
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